

# ABB BALDOR RELIANCE III

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## Customer information packet

CXM050542A

0.5HP, 1725RPM, 3PH, 60HZ, 56C, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

**Specifications**

|                                       |   |
|---------------------------------------|---|
| <b>Enclosure</b>                      | XPFC  |
| <b>Frame</b>                          | 56C   |
| <b>Frame Material</b>                 | Steel   |
| <b>Frequency</b>                      | 60.00 Hz  |
| <b>Haz Area Class and Group</b>       | CLI GP D; CLII GP F,G                                       |
| <b>Haz Area Division</b>              | Division I  |
| <b>Motor Letter Type</b>              | Three Phase   |
| <b>Output @ Frequency</b>             | .500 HP @ 60 HZ   |
| <b>Phase</b>                          | 3   |
| <b>Synchronous Speed @ Frequency</b>  | 1800 RPM @ 60 HZ  |
| <b>Voltage @ Frequency</b>            | 460.0 V @ 60 HZ<br>208.0 V @ 60 HZ<br>230.0 V @ 60 HZ       |
| <b>Agency Approvals</b>               | CSA<br>UL   |
| <b>Ambient Temperature</b>            | 40 °C   |
| <b>Auxiliary Box</b>                  | NO AUXILLARY BOX  |
| <b>Auxiliary Box Lead Termination</b> | None  |
| <b>Base Indicator</b>                 | Rigid   |
| <b>Bearing Grease Type</b>            | Polyrex EM (-20F +300F)                                     |
| <b>Blower</b>                         | None  |
| <b>Current @ Voltage</b>              | 1.000 A @ 460.0 V<br>2.000 A @ 230.0 V<br>2.100 A @ 208.0 V |
| <b>Design Code</b>                    | B   |
| <b>Drip Cover</b>                     | No Drip Cover   |
| <b>Duty Rating</b>                    | CONT  |
| <b>Efficiency @ 100% Load</b>         | 74.0 %  |
| <b>Electrically Isolated Bearing</b>  | Not Electrically Isolated                                   |
| <b>Feedback Device</b>                | NO FEEDBACK   |
| <b>Haz Area Temp Code</b>             | T3C   |
| <b>Heater Indicator</b>               | No Heater   |

**Part Detail**

|                     |            |
|---------------------|------------|
| <b>Revision</b>     | D          |
| <b>Type</b>         | AC         |
| <b>Mech. spec.</b>  |            |
| <b>Base</b>         |            |
| <b>Status</b>       | PRD/A      |
| <b>Elec. spec.</b>  | 34WG1543   |
| <b>Layout</b>       | 34LY5329   |
| <b>Eff. date</b>    | 05-01-2024 |
| <b>CD Diagram</b>   | CD0007     |
| <b>Poles</b>        | 04         |
| <b>Leads</b>        | 12#18      |
| <b>Proprietary</b>  | False      |
| <b>Created date</b> | 08-06-2020 |

|                                    |                            |
|------------------------------------|----------------------------|
| <b>High Voltage Full Load Amps</b> | 1.0 a                      |
| <b>Insulation Class</b>            | B                          |
| <b>Inverter Code</b>               | Not Inverter               |
| <b>IP Rating</b>                   | NONE                       |
| <b>KVA Code</b>                    | L                          |
| <b>Lifting Lugs</b>                | No Lifting Lugs            |
| <b>Locked Bearing Indicator</b>    | No Locked Bearing          |
| <b>Motor Lead Termination</b>      | Flying Leads               |
| <b>Motor Standards</b>             | NEMA                       |
| <b>Motor Type</b>                  | 3416M                      |
| <b>Mounting Arrangement</b>        | F1                         |
| <b>Number of Poles</b>             | 4                          |
| <b>Overall Length</b>              | 13.22 IN                   |
| <b>Power Factor</b>                | 63                         |
| <b>Product Family</b>              | Hazardous Location Motor   |
| <b>Pulley Face Code</b>            | C-Face                     |
| <b>Rodent Screen</b>               | None                       |
| <b>Service Factor</b>              | 1.00                       |
| <b>Shaft Diameter</b>              | 0.625 IN                   |
| <b>Shaft Ground Indicator</b>      | No Shaft Grounding         |
| <b>Shaft Rotation</b>              | Reversible                 |
| <b>Speed</b>                       | 1725 rpm                   |
| <b>Speed Code</b>                  | Single Speed               |
| <b>Starting Method</b>             | Direct on line             |
| <b>Thermal Device - Bearing</b>    | None                       |
| <b>Thermal Device - Winding</b>    | None                       |
| <b>Vibration Sensor Indicator</b>  | No Vibration Sensor        |
| <b>Winding Thermal 1</b>           | Automatic Thermal Overload |
| <b>Winding Thermal 1 Location</b>  | EP                         |
| <b>Winding Thermal 2</b>           | None                       |

**Nameplate**

| <b>NP0016XPSL</b> |                        |                      |     |                |
|-------------------|------------------------|----------------------|-----|----------------|
| <b>NO.</b>        |                        | <b>CC</b>            |     |                |
| <b>SER. #</b>     |                        |                      |     |                |
| <b>SPEC</b>       | 34-0000-0382           |                      |     |                |
| <b>CAT.NO.</b>    | CXM050542A             |                      |     |                |
| <b>H.P.</b>       | .5                     | <b>T. CODE</b>       | T3C |                |
| <b>VOLTS</b>      | 208-230/460            |                      |     |                |
| <b>AMPS</b>       | 2.1-2/1                |                      |     |                |
| <b>R.P.M.</b>     | 1725 34WG1543          |                      |     |                |
| <b>HZ</b>         | 60                     | <b>PH</b>            | 3   | <b>CLASS</b> B |
| <b>SER.F.</b>     | 1.00                   | <b>DES</b>           | B   | <b>CODE</b> L  |
| <b>RATING</b>     | 40C AMB-CONT           |                      |     |                |
| <b>FRAME</b>      | 56C                    | <b>NEMA NOM. EFF</b> | 74  |                |
|                   | <b>PF</b>              | 63                   |     |                |
| <b>BLANK</b>      | NEMA MG-1 PART 5, IP54 |                      |     |                |

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WINDING # 34WG1543

0.5 HP 3 PH 60 HZ 1725 RPM 460 V 3416M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=6.5 PU=4.5 LR=5.6 LRA=6.7

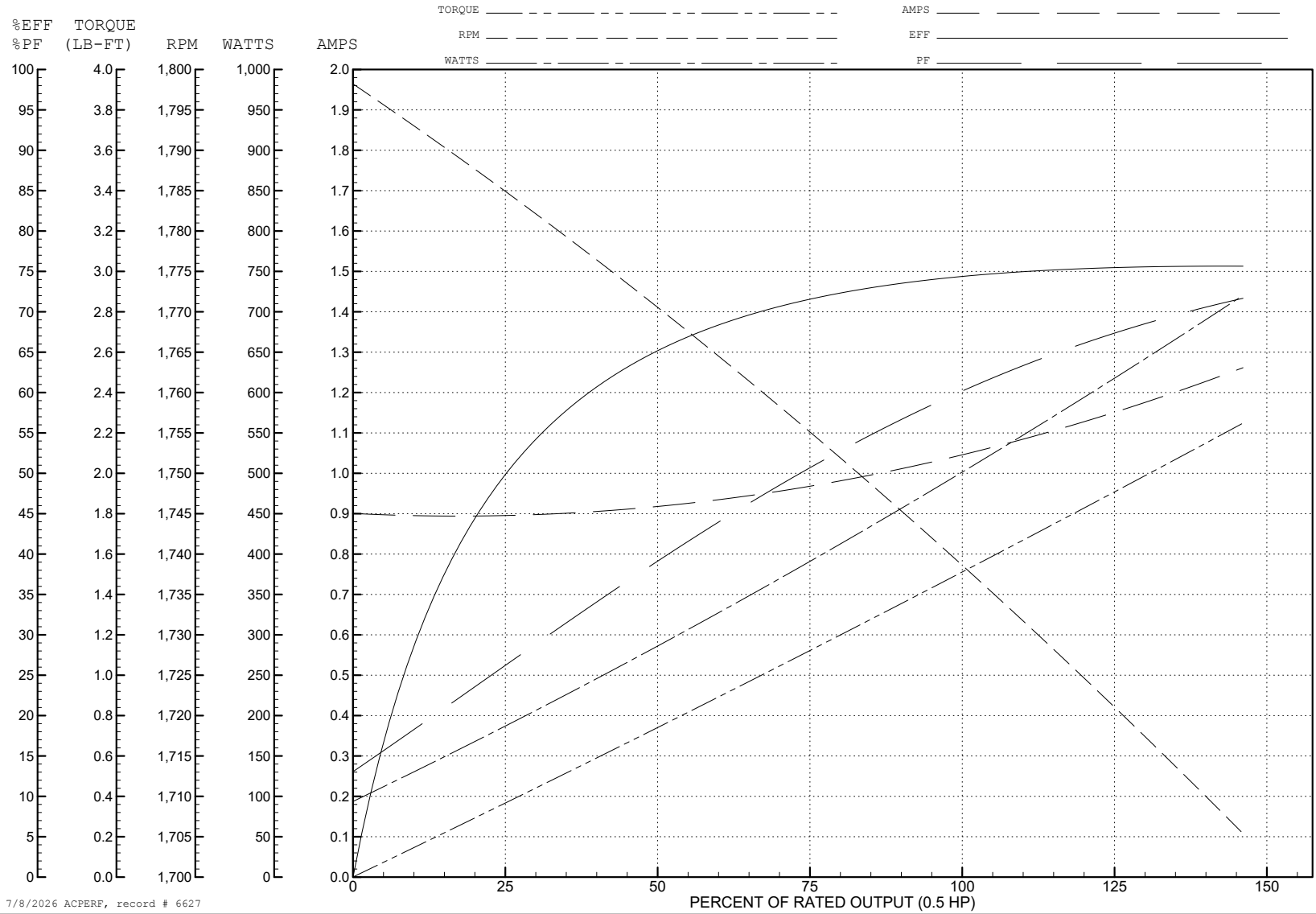


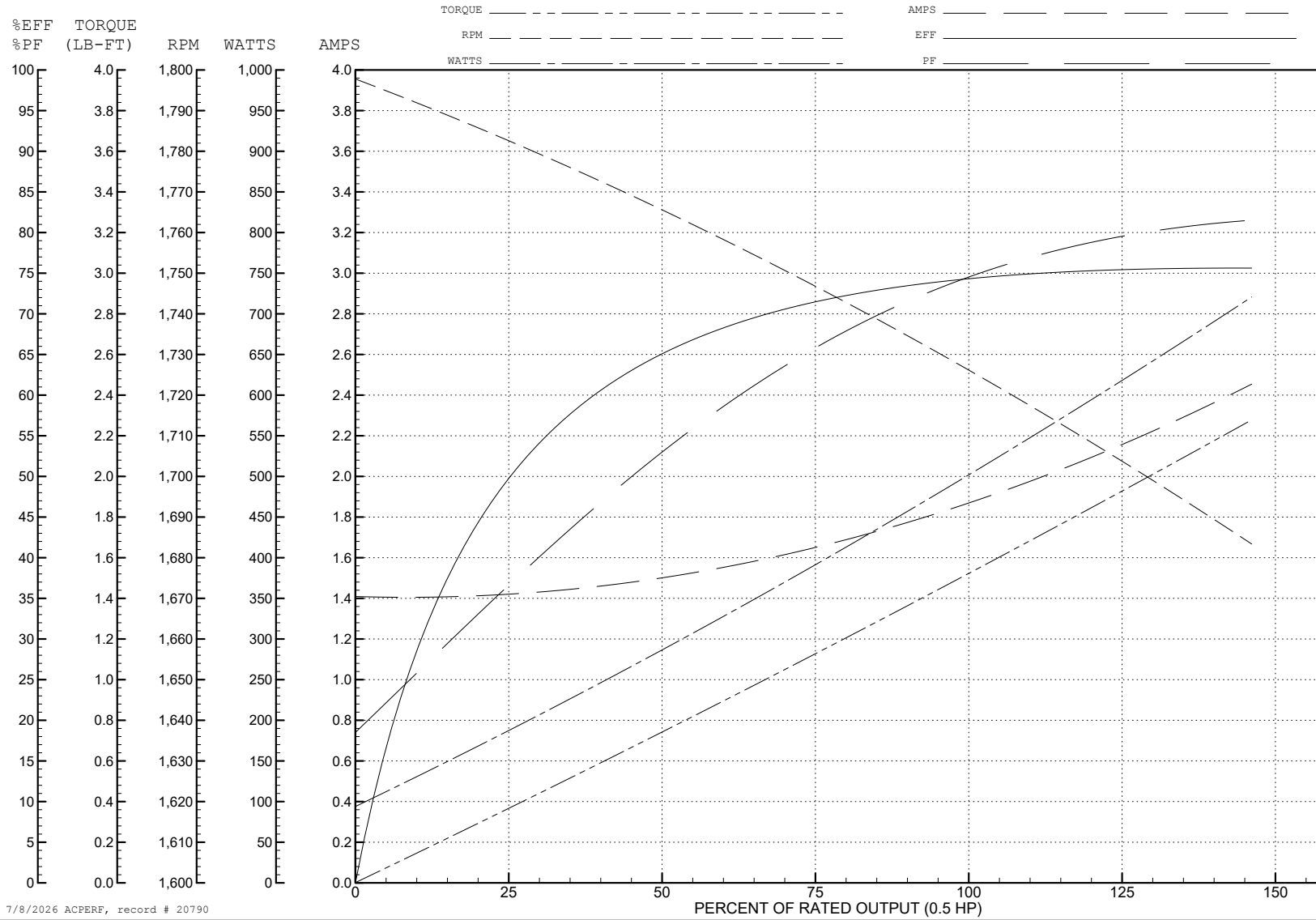
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WINDING # 34WG1543

0.5 HP 3 PH 60 HZ 1725 RPM 208 V 3416M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=5.25 PU=3.56 LR=4.43 LRA=11.8



7/8/2026 ACPERF, record # 20790

